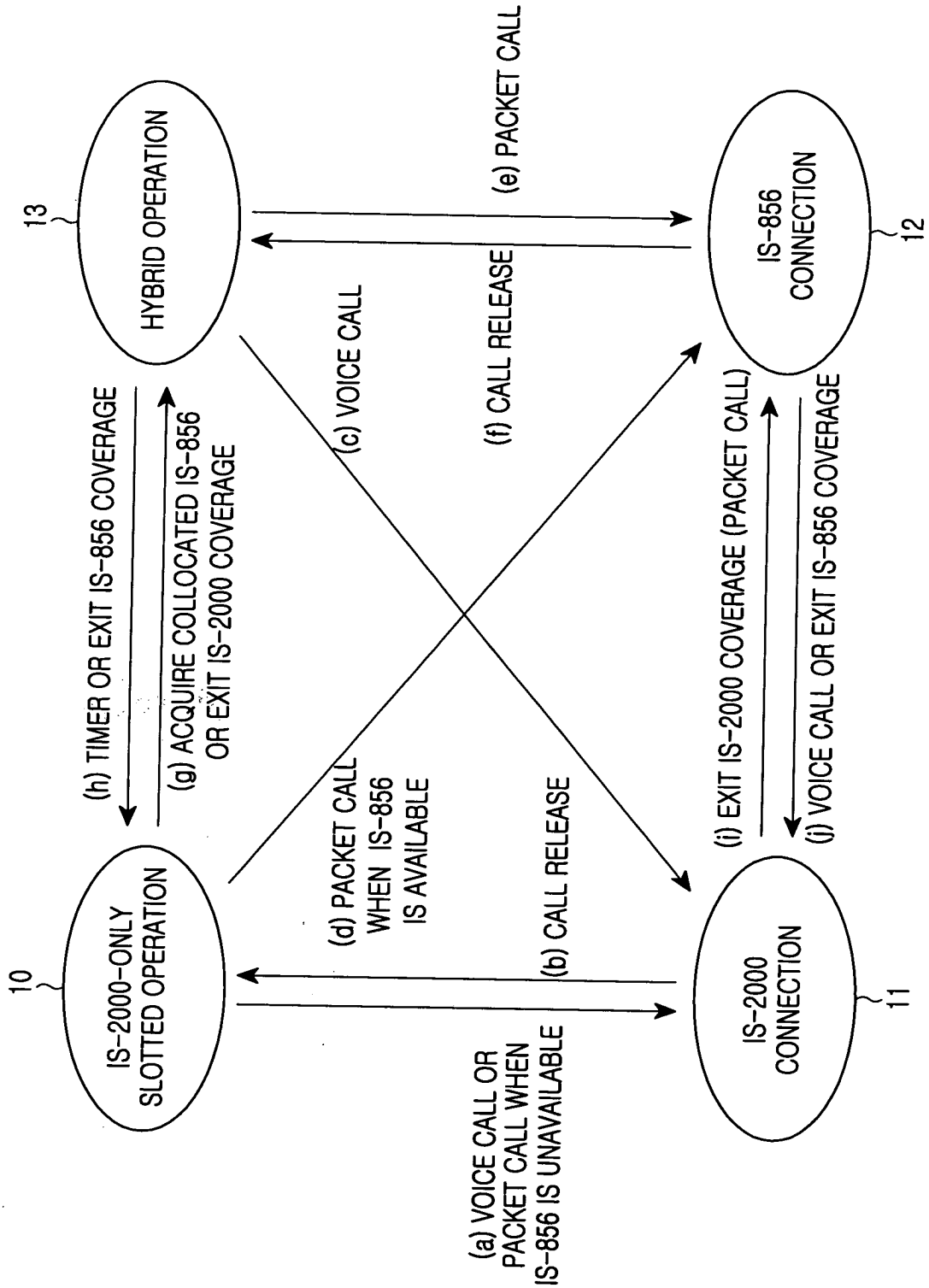
10
IS-2000-ONLY SLOTTED OPERATION
13
HYBRID OPERATION
11
IS-2000 CONNECTION
12
IS-856 CONNECTION
(a) VOICE CALL OR PACKET CALL WHEN IS-856 IS UNAVAILABLE
(b) CALL RELEASE
(c) VOICE CALL
(d) PACKET CALL WHEN IS-856 IS AVAILABLE
(e) PACKET CALL
(f) CALL RELEASE
(g) ACQUIRE COLLOCATED IS-856 OR EXIT IS-2000 COVERAGE
(h) TIMER OR EXIT IS-856 COVERAGE
(i) EXIT IS-2000 COVERAGE (PACKET CALL)
(j) VOICE CALL OR EXIT IS-856 COVERAGE

FIG.1

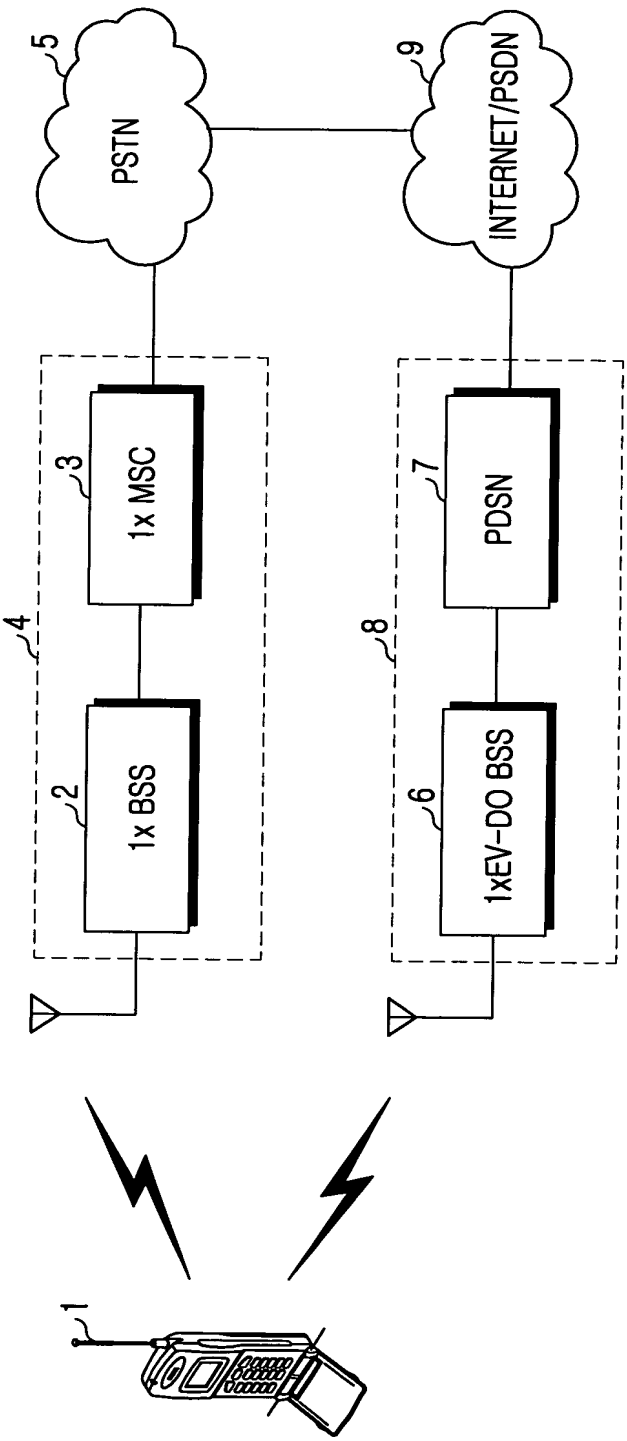

FIG.2

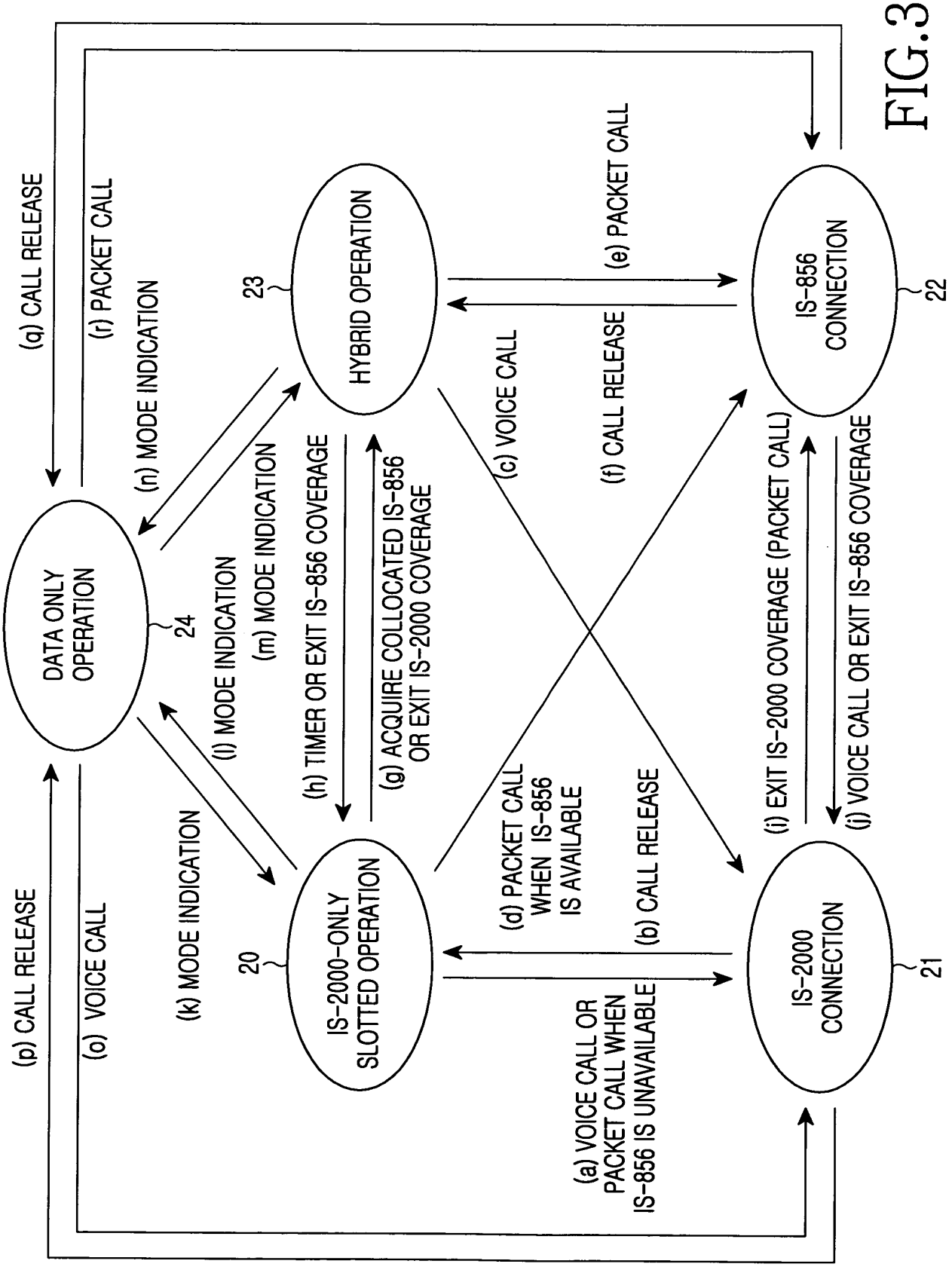
DATA ONLY OPERATION
24
HYBRID OPERATION
23
IS-856 CONNECTION
22
IS-2000-ONLY SLOTTED OPERATION
20
IS-2000 CONNECTION
21
(q) CALL RELEASE
(r) PACKET CALL
(n) MODE INDICATION
(m) MODE INDICATION
(h) TIMER OR EXIT IS-856 COVERAGE
(g) ACQUIRE COLLOCATED IS-856 OR EXIT IS-2000 COVERAGE
(c) VOICE CALL
(e) PACKET CALL
(f) CALL RELEASE
(i) EXIT IS-2000 COVERAGE (PACKET CALL)
(j) VOICE CALL OR EXIT IS-856 COVERAGE
(p) CALL RELEASE
(o) VOICE CALL
(k) MODE INDICATION
(l) MODE INDICATION
(d) PACKET CALL WHEN IS-856 IS AVAILABLE
(b) CALL RELEASE
(a) VOICE CALL OR PACKET CALL WHEN IS-856 IS UNAVAILABLE

FIG.3

MODE CHANGE REQUEST MESSAGE

FIELD	LENGTH (BITS)
MESSAGE ID	8
MESSAGE SEQUENCE	8
MODE INDICATION	2
RESERVED	6

FIG.4

MODE INDICATION

FIELD VALUE(BINARY)	TYPE
'00'	IS-2000 ONLY MODE
'01'	DATA ONLY MODE (IS-856)
'10'	HYBRID MODE (IS-2000 & IS-856)
'11'	RESERVED

FIG.5

MODE CHANGE COMPLETE MESSAGE

FIELD	LENGTH (BITS)
MESSAGE ID	8
MESSAGE SEQUENCE	8
MODE INDICATION	2
RESERVED	6

FIG.6

QUICK CONFIG MESSAGE

FIELD	LENGTH (BITS)
MESSAGE ID	8
COLOR CODE	8
SECTOR ID 24	24
SECTOR SIGNATURE	16
ACCESS SIGNATURE	16
REDIRECT	1
RPC COUNT	6

• RPC COUNT OCCURRENCES OF THE FOLLWING FIELD

DRC LOCK	1

• RPC COUNT OCCURRENCES OF THE FOLLOWING FIELD

FORWARD TRAFFIC VALID	1

MODE INDICATION	2
SLEEP PERIOD INCLUDED	1

• ACCESS NETWORK SHALL OMIT SLEEP PERIOD VALUE
IF SLEEP PERIOD INCLUDE IS SET TO '0'

SLEEP PERIOD VALUE	0 OR 8

RESERVED	VARIABLE

FIG.7

ROUTE UPDATE MESSAGE

FIELD	LENGTH (BITS)
MESSAGE ID	8
MESSAGE SEQUENCE	8
REFERENCE PILOT PN	9
REFERENCE PILOT STRENGTH	6
REFERENCE KEEP	1
NUMPILOTS	4

• NUM PILOTS OCCURRENCES OF THE FOLLOWING THREE FIELDS :

PILOT PN PHASE	15
CHANNEL INCLUDED	1
CHANNEL	0 OR 24
PILOT STRENGTH	6
KEEP	1

MODE INDICATION	2
RESERVED	VARIABLE

FIG.8

WRAPPED DATA MESSAGE

FIELD	LENGTH (BITS)
MESSAGE ID	8
MESSAGE SEQUENCE	8
DATA TYPE	2
DATA CHANNEL TYPE	2
DATA LENGTH	16
DATA	8 x DATA LENGTH

FIG.9

DATA TYPE

FIELD VALUE(BINARY)	TYPE
'00'	1 x MESSAGE
'01'	RESERVED
'10'	RESERVED
'11'	RESERVED

FIG.10

DATA CHANNEL TYPE

FIELD VALUE(BINARY)	TYPE
'00'	PAGING CHANNEL
'01'	RESERVED
'10'	RESERVED
'11'	RESERVED

FIG.11

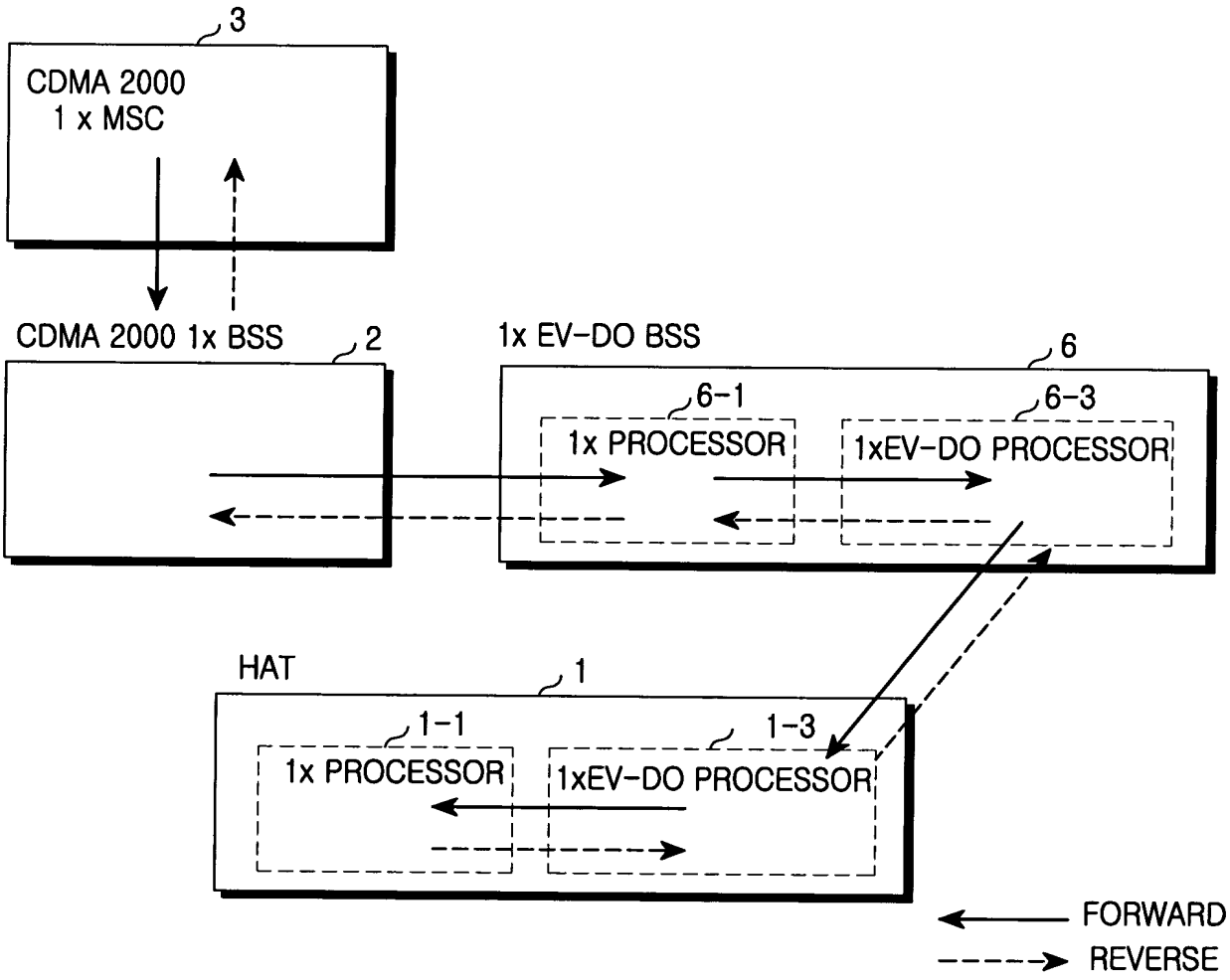
3
CDMA 2000
1 x MSC
CDMA 2000 1x BSS
2
1x EV-DO BSS
6
6-1
1x PROCESSOR
6-3
1xEV-DO PROCESSOR
HAT
1
1-1
1x PROCESSOR
1-3
1xEV-DO PROCESSOR
FORWARD
REVERSE

FIG.12

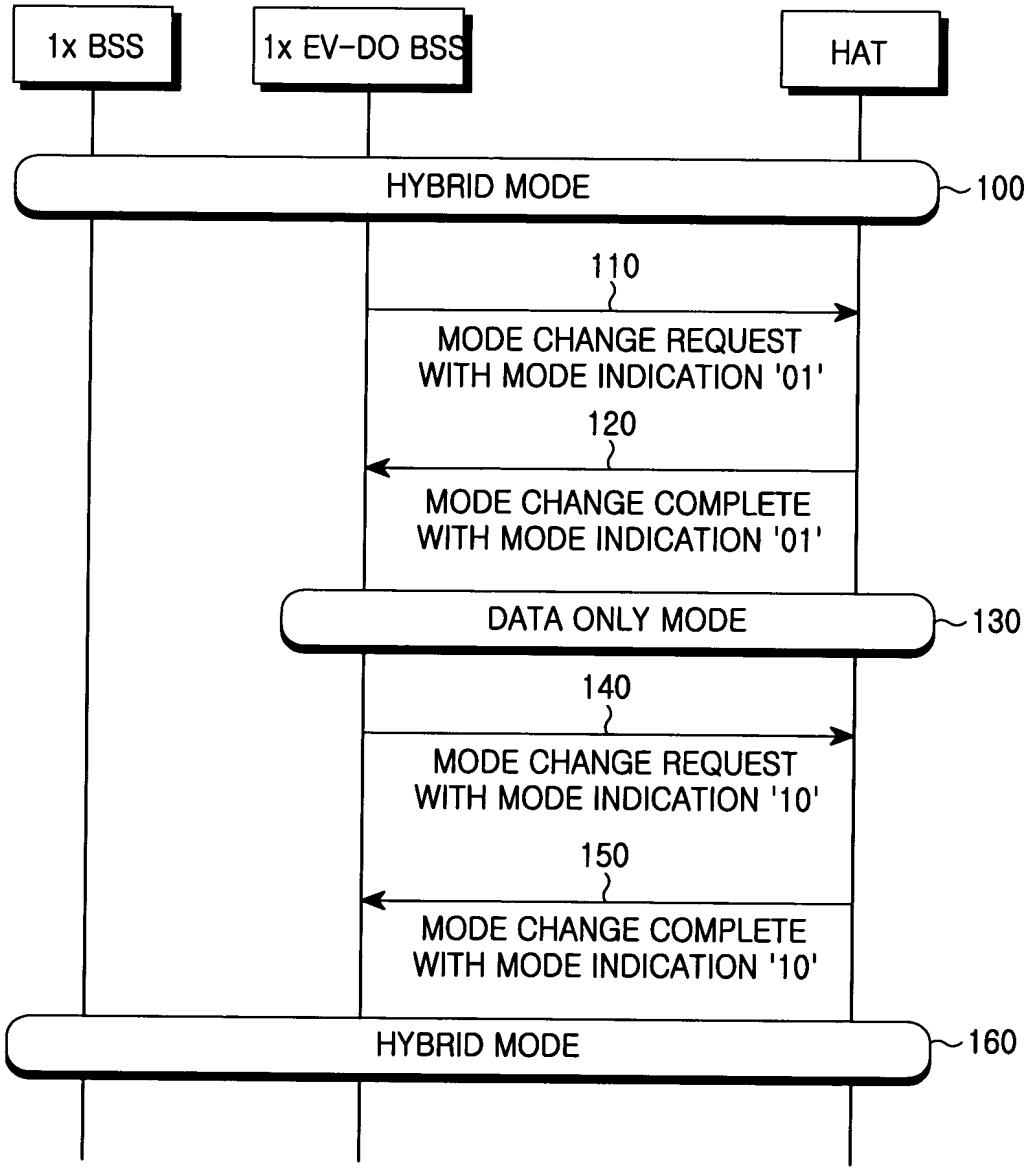
1x BSS
1x EV-DO BSS
HAT
HYBRID MODE
100
110
MODE CHANGE REQUEST
WITH MODE INDICATION '01'
120
MODE CHANGE COMPLETE
WITH MODE INDICATION '01'
DATA ONLY MODE
130
140
MODE CHANGE REQUEST
WITH MODE INDICATION '10'
150
MODE CHANGE COMPLETE
WITH MODE INDICATION '10'
HYBRID MODE
160

FIG.13

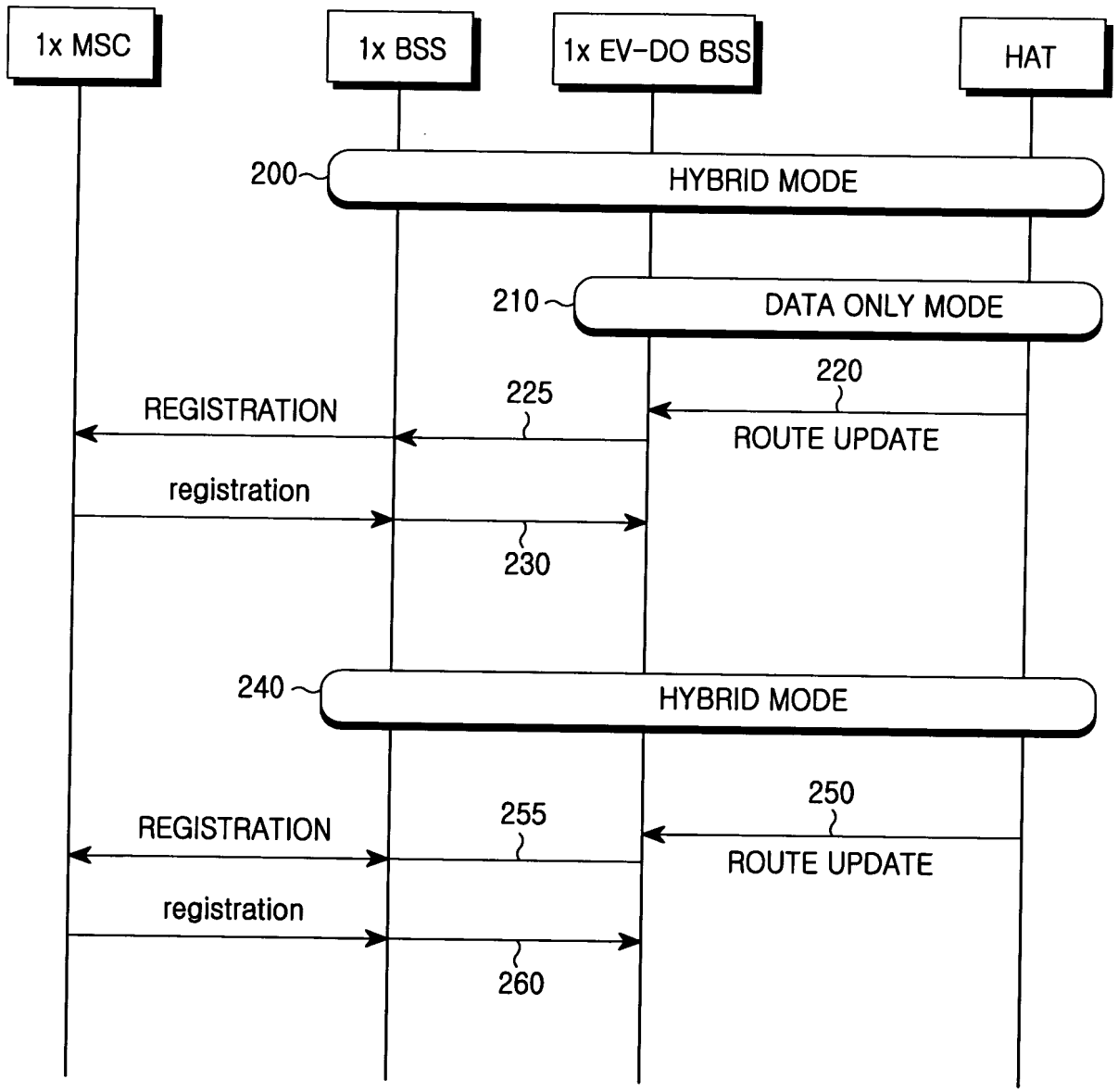
1x MSC
1x BSS
1x EV-DO BSS
HAT
200
HYBRID MODE
210
DATA ONLY MODE
220
225
REGISTRATION
ROUTE UPDATE
registration
230
240
HYBRID MODE
250
255
REGISTRATION
ROUTE UPDATE
registration
260

FIG.14

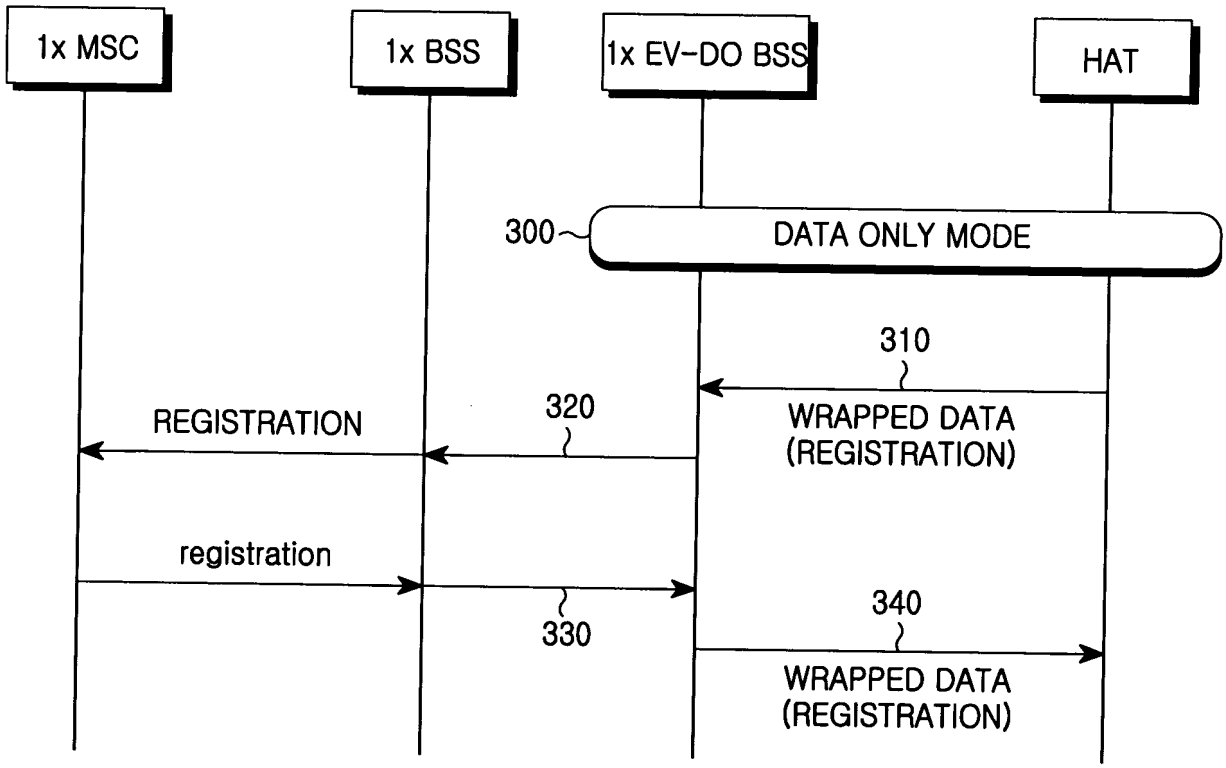
1x MSC
1x BSS
1x EV-DO BSS
HAT
300
DATA ONLY MODE
310
WRAPPED DATA
(REGISTRATION)
320
REGISTRATION
registration
330
340
WRAPPED DATA
(REGISTRATION)

FIG.15

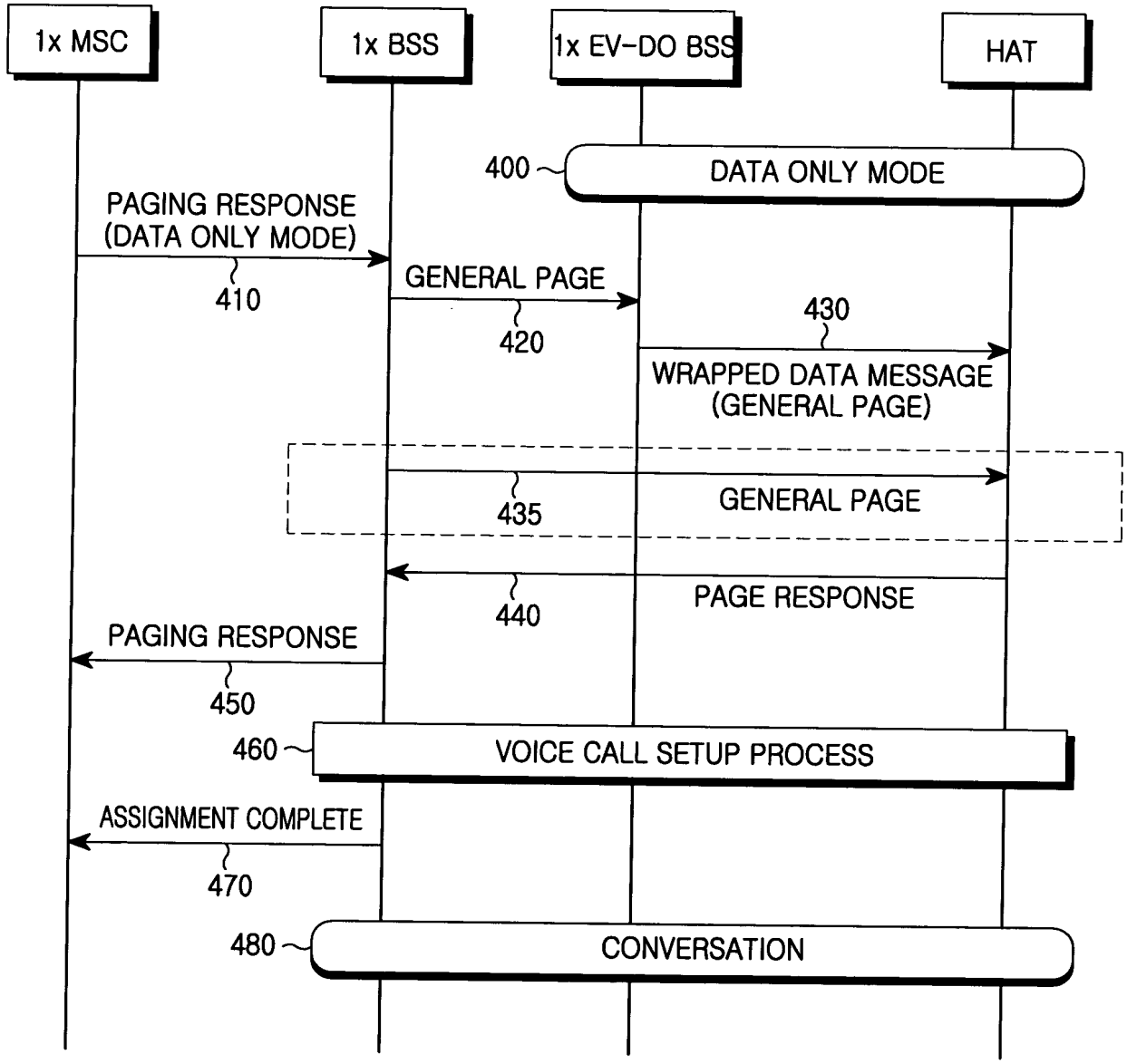
1x MSC
1x BSS
1x EV-DO BSS
HAT
400
DATA ONLY MODE
PAGING RESPONSE
(DATA ONLY MODE)
410
GENERAL PAGE
420
430
WRAPPED DATA MESSAGE
(GENERAL PAGE)
435
GENERAL PAGE
440
PAGE RESPONSE
PAGING RESPONSE
450
460
VOICE CALL SETUP PROCESS
ASSIGNMENT COMPLETE
470
480
CONVERSATION

FIG.16

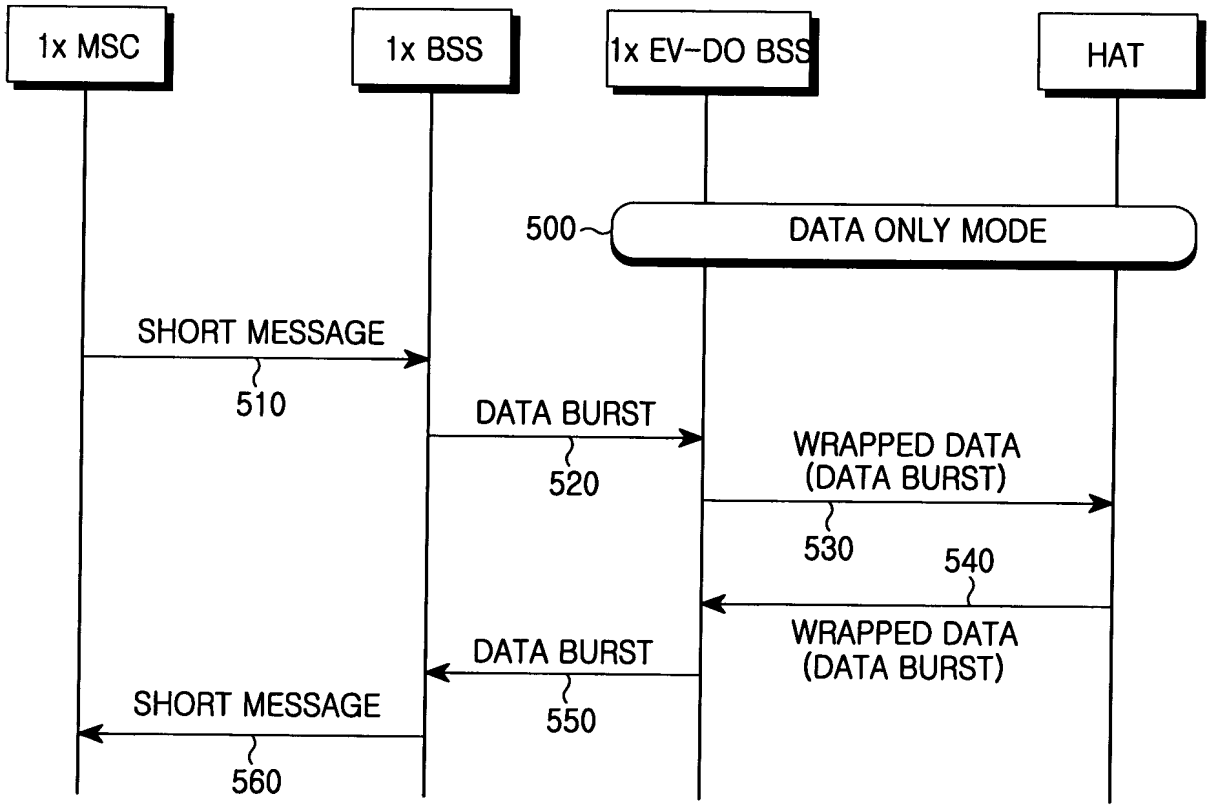
1x MSC
1x BSS
1x EV-DO BSS
HAT
500
DATA ONLY MODE
SHORT MESSAGE
510
DATA BURST
520
WRAPPED DATA
(DATA BURST)
530
540
WRAPPED DATA
(DATA BURST)
DATA BURST
550
SHORT MESSAGE
560

FIG.17